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Amendments to the Claims:

Claim 1 (cancelled).

Claim 2 (cancelled).

Claim 3 (currently amended): A postage stamp or shipping label having

first and second spaced apart facing major surfaces between which is mounted a

radio frequency identification (RFID) system operative to store identifying data

therein representative of an article being mailed or shipped and to which the

stamp or label is affixed, and said RFID system being operative to receive RF

signals and store data therein and further being operative to transmit this data

by way of RF signals which are transmitted to an interrogator upon request at

the point of article mailing or shipment, points along a given shipment route, and

upon reaching a point of destination, wherein said RFID system includes an

integrated circuit chip having therein an RF transmitter, an RF receiver, a

memory stage and a control logic, a thin flat battery connected to said IC chip,

and a thin RF antenna disposed adjacent to said battery and IC chip and

operative to transmit and receive RF signals and couple said RF signals to and

from said RF chip during the interrogation thereof.

Claim 4 (cancelled).

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Claim 5 (currently amended): The invention defined in claim 3 4 wherein

said integrated circuit transceiver and said thin flat battery are mounted in side-

by-side configuration on an underlying base material disposed on one of said

facing major surfaces of said stamp or label.

Claim 6 (original): The invention defined in claim 5 wherein said thin RF

antenna includes one or more thin metal strips mounted on said base material

and connected to one or more terminals, respectively, on said IC chip for

providing both RF transmission from and reception to said IC transceiver chip.

Claim 7 (original): The invention defined in claim 6 wherein said antenna

is defined by said battery or a ground plane.

Claim 8 (original): The invention defined in claim 6 wherein said thin film

battery includes a lithium anode layer and a conductive collector layer separated

by a polymerized cathode electrolyte and separator layer.

Claim 9 (original): The invention defined in claim 8 wherein said cathode

layer contains an oxide of vanadium or magnesium.

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Claim 10 (currently amended): The invention defined in claim 3 4 wherein

the thickness of said thin flat battery is within the range of a fraction of a mil to

[[1-]] 10 mils, and may be small as a fraction of a mil.

Claim 11 (currently amended): The invention defined in claim 9 wherein

the thickness of said thin flat battery is within the range of a fraction of a mil to

[[1-]] 10 mils , and may be small as a fraction of a mil.

Claim 12 (original): The invention defined in claim 4 wherein said RFID IC

chip is replaced with an electro-optical light operated IC chip and operated to

propagate light of a given wavelength to an interrogator while also being

powered by one or more thin flat battery cells less than 10 mils in thickness.

Claims 13-22 (cancelled).

Claim 23 (new): A postage stamp or shipping label having first and

second spaced apart facing major surfaces, and having an electro-optical light

operated IC system between the major surfaces, the system being operative to

store identifying data therein representative of an article being mailed or shipped

and to which the stamp or label is affixed, and said system being operative to

receive optical signals and store data and further being operative to transmit this

data by way of optical signals which are transmitted to an interrogator upon

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request at the point of article mailing or shipment, points along a given shipment

route, and upon reaching a point of destination, wherein said system includes an

electro-optical light operated IC having a transmitter, a receiver, a memory, and

control logic, the system further including two thin flat batteries coupled to the IC

chip, and wherein the system includes a conductive strip on one of the first and

second spaced apart facing major surfaces coupling, in series, one of the

batteries to the other battery.

Claim 24 (new): The invention defined in claim 23 wherein said integrated

circuit transceiver and said thin flat battery are mounted in side-by-side

configuration on an underlying base material disposed on one of said facing

major surfaces of said stamp or label.

Claim 25 (new): The invention defined in claim 24 wherein said

conductive strip is a thin metal strip.

Claim 26 (new): The invention defined in claim 25 wherein said thin film

battery includes a lithium anode layer and a conductive collector layer separated

by a polymerized cathode electrolyte and separator layer.

Claim 27 (new): The invention defined in claim 26 wherein said cathode

layer contains an oxide of vanadium or magnesium.

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Claim 28 (new): The invention defined in claim 23 wherein the thickness

of said thin flat battery is within the range of a fraction of a mil to 10 mils.

Claim 29 (new): The invention defined in claim 27 wherein the thickness

of said thin flat battery is within the range of a fraction of a mil to 10 mils.

Claim 30 (new): A postage stamp or shipping label comprising:

first and second spaced apart facing major surfaces;

a radio frequency identification (RFID) system, between the first and

second major surfaces, operative to store identifying data therein representative

of an article being mailed or shipped and to which the stamp or label is affixed,

said RFID system being operative to receive RF signals and store data therein

and further being operative to transmit the data by way of RF signals which are

transmitted to an interrogator upon request at a point of article mailing or

shipment, points along a given shipment route, and upon reaching a point of

destination, the RFID system including:

an integrated circuit having an RF transmitter, an RF receiver, a

memory stage and a control logic;

a thin flat battery connected to the integrated circuit; and

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an RF antenna disposed adjacent to said battery and integrated

circuit and operative to transmit and receive RF signals and couple said RF

signals to and from the integrated circuit during the interrogation thereof.

Claim 31 (new): The invention defined in claim 30 wherein said integrated

circuit and said thin flat battery are mounted in side-by-side configuration on an

underlying base material disposed on one of said facing major surfaces of said

stamp or label.

Claim 32 (new): The invention defined in claim 31 wherein said RF

antenna includes one or more thin metal strips mounted on said base material

and connected to one or more terminals, respectively, on said integrated circuit

for providing both RF transmission from and reception to said integrated circuit.

Claim 33 (new): The invention defined in claim 32 wherein said antenna is

defined by said battery or a ground plane.

Claim 34 (new): The invention defined in claim 32 wherein said thin film

battery includes a lithium anode layer and a conductive collector layer separated

by a polymerized cathode electrolyte and separator layer.

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Claim 35 (new): The invention defined in claim 34 wherein said cathode layer contains an oxide of vanadium or magnesium.

Claim 36 (new): The invention defined in claim 30 wherein the thickness of said thin flat battery is within the range of a fraction of a mil to 10 mils.

Claim 37 (new): The invention defined in claim 36 wherein the thickness of said thin flat battery is within the range of a fraction of a mil to 10 mils.

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